09729562_CLSTITLES.txt

Titles of Most Frequently Occurring Classifications of Patents Returned
From A Search of 09729562 on March 12, 2002

17 375/222 (7 OR, 10 XR)
Class 375 : PULSE OR DIGITAL COMMUNICATIONS
375/219 TRANSCEIVERS
375/222 .Modems (data sets)

9 379/30 (1 OR, 8 XR)
Class 379 : TELEPHONIC COMMUNICATIONS
379/1.01 DIAGNOSTIC TESTING, MALFUNCTION INDICATION, OR ELECTRICAL CONDITION MEASUREMENT
379/27.01 .Testing of subscriber loop or terminal
379/30 ..Loop impedance (e.g., resistance, capacitance)

8 324/539 (0 OR, 8 XR)
Class 324 : ELECTRICITY: MEASURING AND TESTING
324/500 FAULT DETECTING IN ELECTRIC CIRCUITS AND OF ELECTRIC COMPONENTS
324/537 .Of individual circuit component or element
324/539 ..Multiconductor cable

7 379/22.02 (2 OR, 5 XR)
Class 379 : TELEPHONIC COMMUNICATIONS
379/1.01 DIAGNOSTIC TESTING, MALFUNCTION INDICATION, OR ELECTRICAL CONDITION MEASUREMENT
379/22 .Of trunk or long line
379/22.02 ..By analysis of injected tone signal

7 379/22.03 (3 OR, 4 XR)
Class 379 : TELEPHONIC COMMUNICATIONS
379/1.01 DIAGNOSTIC TESTING, MALFUNCTION INDICATION, OR ELECTRICAL CONDITION MEASUREMENT
379/22 .Of trunk or long line
379/22.03 ..Fault detection or fault location on telephone link (e.g., continuity, leakage)

6 324/628 (6 OR, 0 XR)
Class 324 : ELECTRICITY: MEASURING AND TESTING
324/600 IMPEDANCE, ADMITTANCE OR OTHER QUANTITIES REPRESENTATIVE OF ELECTRICAL STIMULUS/RESPONSE

RELATIONSHIPS
324/612 .Parameter related to the reproduction or fidelity of a signal affected by a circuit under test
324/627 ..Shielding effectiveness (SE)
324/628 ...Circuit interference (e.g., crosstalk) measurement

6 379/29.01 (1 OR, 5 XR)
Class 379 : TELEPHONIC COMMUNICATIONS
379/1.01 DIAGNOSTIC TESTING, MALFUNCTION INDICATION, OR ELECTRICAL CONDITION MEASUREMENT
379/27.01 .Testing of subscriber loop or terminal
379/29.01 ..Terminal arrangement to enable remote testing (e.g., testing interface)

6 725/106 (1 OR, 5 XR)
Class 725 : INTERACTIVE VIDEO DISTRIBUTION SYSTEMS
725/105 VIDEO DISTRIBUTION SYSTEM WITH UPSTREAM COMMUNICATION
725/106 .Telephony via television distribution network

5 324/533 (2 OR, 3 XR)
Class 324 : ELECTRICITY: MEASURING AND TESTING
324/500 FAULT DETECTING IN ELECTRIC CIRCUITS AND OF ELECTRIC COMPONENTS
324/512 .For fault location
324/527 ..By applying a test signal
324/532 ...Using time measuring
324/533 ....Of reflected test signal

5 370/352 (1 OR, 4 XR)
Class 370 : MULTIPLEX COMMUNICATIONS
370/351 PATHFINDING OR ROUTING
370/352 .Combined circuit switching and packet switching

5 370/463 (2 OR, 3 XR)
Class 370 : MULTIPLEX COMMUNICATIONS
370/431 CHANNEL ASSIGNMENT TECHNIQUES
370/463 .Details of circuit or interface for connecting user to the network

5 375/260 (0 OR, 5 XR)
Class 375 : PULSE OR DIGITAL COMMUNICATIONS
375/259 SYSTEMS USING ALTERNATING OR PULSATING CURRENT

375/260 .Plural channels for transmission of a single pulse train

5 379/56.2 (5 OR, 0 XR)
Class 379 : TELEPHONIC COMMUNICATIONS
379/56.1 HAVING LIGHT WAVE OR ULTRASONIC LINK FOR SPEECH OR PAGING SIGNAL
379/56.2 .Including fiber optic link within telephone network

5 725/131 (1 OR, 4 XR)
Class 725 : INTERACTIVE VIDEO DISTRIBUTION SYSTEMS
725/105 VIDEO DISTRIBUTION SYSTEM WITH UPSTREAM COMMUNICATION
725/131 .Receiver (e.g., set-top box)

4 324/527 (0 OR, 4 XR)
Class 324 : ELECTRICITY: MEASURING AND TESTING
324/500 FAULT DETECTING IN ELECTRIC CIRCUITS AND OF ELECTRIC COMPONENTS
324/512 .For fault location
324/527 ..By applying a test signal

4 324/66 (2 OR, 2 XR)
Class 324 : ELECTRICITY: MEASURING AND TESTING
324/66 CONDUCTOR IDENTIFICATION OR LOCATION (E.G., PHASE IDENTIFICATION)

4 370/465 (1 OR, 3 XR)
Class 370 : MULTIPLEX COMMUNICATIONS
370/464 COMMUNICATION TECHNIQUES FOR INFORMATION CARRIED IN PLURAL CHANNELS
370/465 .Adaptive

4 370/480 (1 OR, 3 XR)
Class 370 : MULTIPLEX COMMUNICATIONS
370/473 ..Transmission of a single message having multiple packets
370/480 .Combining or distributing information via

frequency channels

4 370/484 (0 OR, 4 XR)
Class 370 : MULTIPLEX COMMUNICATIONS
370/473 ..Transmission of a single message having multiple packets
370/480 .Combining or distributing information via frequency channels
370/484 ..Digital analysis or synthesis of a group

4 370/494 (3 OR, 1 XR)
Class 370 : MULTIPLEX COMMUNICATIONS
370/473 ..Transmission of a single message having multiple packets
370/480 .Combining or distributing information via frequency channels
370/493 ..Combined voice and data transmission
370/494 ...Data over voice

4 370/524 (2 OR, 2 XR)
Class 370 : MULTIPLEX COMMUNICATIONS
370/473 ..Transmission of a single message having multiple packets
370/498 .Combining or distributing information via time channels
370/522 ..Signaling (ancillary to main information)
370/524 ...Using a dedicated signaling channel (i.e., D-channel)

4 370/535 (0 OR, 4 XR)
Class 370 : MULTIPLEX COMMUNICATIONS
370/473 ..Transmission of a single message having multiple packets
370/498 .Combining or distributing information via time channels
370/535 ..Multiplexing combined with demultiplexing

4 375/219 (1 OR, 3 XR)
Class 375 : PULSE OR DIGITAL COMMUNICATIONS
375/219 TRANSCEIVERS

4 375/220 (3 OR, 1 XR)
Class 375 : PULSE OR DIGITAL COMMUNICATIONS

375/219 TRANSCEIVERS
375/220 .Transmission interface between two stations or terminals

4 375/224 (3 OR, 1 XR)
Class 375 : PULSE OR DIGITAL COMMUNICATIONS
375/224 TESTING

4 375/229 (3 OR, 1 XR)
Class 375 : PULSE OR DIGITAL COMMUNICATIONS
375/229 EQUALIZERS

4 375/231 (2 OR, 2 XR)
Class 375 : PULSE OR DIGITAL COMMUNICATIONS
375/229 EQUALIZERS
375/230 .Automatic
375/231 ..Training period or initial set up

4 379/27.01 (1 OR, 3 XR)
Class 379 : TELEPHONIC COMMUNICATIONS
379/1.01 DIAGNOSTIC TESTING, MALFUNCTION INDICATION, OR ELECTRICAL CONDITION MEASUREMENT
379/27.01 .Testing of subscriber loop or terminal

4 379/27.03 (1 OR, 3 XR)
Class 379 : TELEPHONIC COMMUNICATIONS
379/1.01 DIAGNOSTIC TESTING, MALFUNCTION INDICATION, OR ELECTRICAL CONDITION MEASUREMENT
379/27.01 .Testing of subscriber loop or terminal
379/27.03 ..By analysis of testing signal

4 438/687 (1 OR, 3 XR)
Class 438 : SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS

438/584 COATING WITH ELECTRICALLY OR THERMALLY CONDUCTIVE MATERIAL
438/597 .To form ohmic contact to semiconductive material
438/687 ..Copper of copper alloy conductor

4 725/129 (0 OR, 4 XR)
Class 725 : INTERACTIVE VIDEO DISTRIBUTION SYSTEMS
725/105 VIDEO DISTRIBUTION SYSTEM WITH UPSTREAM

COMMUNICATION
725/118 .Transmission network
725/129 ..Hybrid fiber-coax network

3 174/36 (0 OR, 3 XR)
Class 174 : ELECTRICITY: CONDUCTORS AND INSULATORS
174/32 ANTI-INDUCTIVE STRUCTURES
174/35R .Shielded or screened
174/36 ..Conductor only

3 324/525 (1 OR, 2 XR)
Class 324 : ELECTRICITY: MEASURING AND TESTING
324/500 FAULT DETECTING IN ELECTRIC CIRCUITS AND OF ELECTRIC COMPONENTS
324/512 .For fault location
324/525 ..By resistance or impedance measuring

3 324/532 (1 OR, 2 XR)
Class 324 : ELECTRICITY: MEASURING AND TESTING
324/500 FAULT DETECTING IN ELECTRIC CIRCUITS AND OF ELECTRIC COMPONENTS
324/512 .For fault location
324/527 ..By applying a test signal
324/532 ...Using time measuring

3 359/135 (0 OR, 3 XR)
Class 359 : OPTICS: SYSTEMS
359/109 OPTICAL COMMUNICATION
359/115 .Multiplex
359/135 ..Time division

3 370/249 (3 OR, 0 XR)
Class 370 : MULTIPLEX COMMUNICATIONS
370/241 DIAGNOSTIC TESTING (OTHER THAN SYNCHRONIZATION)

370/249 .Loopback

3 370/252 (2 OR, 1 XR)
Class 370 : MULTIPLEX COMMUNICATIONS
370/241 DIAGNOSTIC TESTING (OTHER THAN SYNCHRONIZATION)

370/252 .Determination of communication parameters

3 370/395.51 (1 OR, 2 XR)
Class 370 : MULTIPLEX COMMUNICATIONS
370/351 PATHFINDING OR ROUTING
370/389 .Switching a message which includes an address header
370/395.1 ..Message transmitted using fixed length packets (e.g., ATM cells)
370/395.5 ...Multiprotocol network
370/395.51 ....Utilizing a plurality of ATM networks

3 370/431 (0 OR, 3 XR)
Class 370 : MULTIPLEX COMMUNICATIONS
370/431 CHANNEL ASSIGNMENT TECHNIQUES

3 370/468 (1 OR, 2 XR)
Class 370 : MULTIPLEX COMMUNICATIONS
370/464 COMMUNICATION TECHNIQUES FOR INFORMATION CARRIED IN PLURAL CHANNELS
370/465 .Adaptive
370/468 ..Assignment of variable bandwidth or time period for transmission or reception

3 375/257 (2 OR, 1 XR)
Class 375 : PULSE OR DIGITAL COMMUNICATIONS
375/257 CABLE SYSTEMS AND COMPONENTS

3 375/295 (2 OR, 1 XR)
Class 375 : PULSE OR DIGITAL COMMUNICATIONS
375/295 TRANSMITTERS

3 379/21 (0 OR, 3 XR)
Class 379 : TELEPHONIC COMMUNICATIONS
379/1.01 DIAGNOSTIC TESTING, MALFUNCTION INDICATION, OR ELECTRICAL CONDITION MEASUREMENT
379/21 .Using portable test set (e.g., handset type)

3 379/22 (2 OR, 1 XR)
Class 379 : TELEPHONIC COMMUNICATIONS
379/1.01 DIAGNOSTIC TESTING, MALFUNCTION INDICATION, OR ELECTRICAL CONDITION MEASUREMENT
379/22 .Of trunk or long line

3 379/22.07 (0 OR, 3 XR)
Class 379 : TELEPHONIC COMMUNICATIONS
379/1.01 DIAGNOSTIC TESTING, MALFUNCTION INDICATION, OR ELECTRICAL CONDITION MEASUREMENT
379/22 .Of trunk or long line
379/22.03 ..Fault detection or fault location on telephone link (e.g., continuity, leakage)
379/22.07 ...Telephone multiconducting wires (e.g., tip, ring and ground wires)

3 379/24 (0 OR, 3 XR)
Class 379 : TELEPHONIC COMMUNICATIONS
379/1.01 DIAGNOSTIC TESTING, MALFUNCTION INDICATION, OR ELECTRICAL CONDITION MEASUREMENT
379/22 .Of trunk or long line
379/24 ..Electrical parameter measurement (e.g., attenuation)

3 379/29.05 (0 OR, 3 XR)
Class 379 : TELEPHONIC COMMUNICATIONS
379/1.01 DIAGNOSTIC TESTING, MALFUNCTION INDICATION, OR ELECTRICAL CONDITION MEASUREMENT
379/27.01 .Testing of subscriber loop or terminal
379/29.01 ..Terminal arrangement to enable remote testing (e.g., testing interface)
379/29.05 ...Metallic loop testing

3 379/93.09 (0 OR, 3 XR)
Class 379 : TELEPHONIC COMMUNICATIONS
379/90.01 TELEPHONE LINE OR SYSTEM COMBINED WITH DIVERSE ELECTRICAL SYSTEM OR SIGNALLING (E.G., COMPOSITE)
379/93.01 .Having transmission of a digital message signal over a telephone line
379/93.09 ..Switching between different terminal types (e.g., voice/data switch)

3 439/101 (0 OR, 3 XR)
Class 439 : ELECTRICAL CONNECTORS
439/92 WITH CIRCUIT CONDUCTORS AND SAFETY GROUNDING PROVISION
439/101 .Direct grounding of coupling part member passing into aperture

3 439/67 (1 OR, 2 XR)
Class 439 : ELECTRICAL CONNECTORS
439/55 PREFORMED PANEL CIRCUIT ARRANGEMENT, E.G., PCB, ICM, DIP, CHIP, WAFER, ETC.
439/65 .With provision to conduct electricity from panel circuit to another panel circuit
439/67 ..Flexible panel

3 439/92 (3 OR, 0 XR)
Class 439 : ELECTRICAL CONNECTORS
439/92 WITH CIRCUIT CONDUCTORS AND SAFETY GROUNDING PROVISION

3 725/116 (0 OR, 3 XR)
Class 725 : INTERACTIVE VIDEO DISTRIBUTION SYSTEMS
725/105 VIDEO DISTRIBUTION SYSTEM WITH UPSTREAM COMMUNICATION
725/114 .Server or headend
725/116 ..Control process

3 725/119 (0 OR, 3 XR)
Class 725 : INTERACTIVE VIDEO DISTRIBUTION SYSTEMS
725/105 VIDEO DISTRIBUTION SYSTEM WITH UPSTREAM COMMUNICATION
725/118 .Transmission network
725/119 ..Having significant intermediate network unit (e.g., hub, substation, etc.)

3 725/126 (0 OR, 3 XR)
Class 725 : INTERACTIVE VIDEO DISTRIBUTION SYSTEMS
725/105 VIDEO DISTRIBUTION SYSTEM WITH UPSTREAM COMMUNICATION
725/118 .Transmission network
725/126 ..Detail of use of two-way spectrum

2 29/623 (1 OR, 1 XR)
Class 029 : METAL WORKING
29/592 METHOD OF MECHANICAL MANUFACTURE
29/592.1 .Electrical device making
29/623 ..Fuse making

2 29/830 (0 OR, 2 XR)
Class 029 : METAL WORKING

29/592 METHOD OF MECHANICAL MANUFACTURE
29/592.1 .Electrical device making
29/825 ..Conductor or circuit manufacturing
29/829 ...On flat or curved insulated base, e.g., printed circuit, etc.
29/830 ....Assembling bases

2 29/841 (0 OR, 2 XR)
Class 029 : METAL WORKING
29/592 METHOD OF MECHANICAL MANUFACTURE
29/592.1 .Electrical device making
29/825 ..Conductor or circuit manufacturing
29/829 ...On flat or curved insulated base, e.g., printed circuit, etc.
29/832 ....Assembling to base an electrical component, e.g., capacitor, etc.
29/841 .....With encapsulating, e.g., potting, etc.

2 29/890.046 (0 OR, 2 XR)
Class 029 : METAL WORKING
29/592 METHOD OF MECHANICAL MANUFACTURE
29/890.03 .Heat exchanger or boiler making
29/890.045 ..Tube with heat transfer means
29/890.046 ...Finned tube

2 123/538 (2 OR, 0 XR)
Class 123 : INTERNAL-COMBUSTION ENGINES
123/434 CHARGE FORMING DEVICE (E.G., POLLUTION CONTROL)

123/536 .Combustible mixture ionization, ozonation, or electrolysis
123/538 ..Fuel only

2 126/655 (1 OR, 1 XR)
Class 126 : STOVES AND FURNACES
126/569 SOLAR HEAT COLLECTOR
126/634 .With means to convey fluent medium through collector
126/651 ..Conduit absorber structure
126/652 ...Surrounded by transparent enclosure
126/655 ....Plurality of conduit absorbers

2 137/377 (0 OR, 2 XR)

Class 137 : FLUID HANDLING
137/343 WITH CASING, SUPPORT, PROTECTOR OR STATIC CONSTRUCTIONAL INSTALLATIONS
137/377 .Guards and shields

2 137/382 (2 OR, 0 XR)
Class 137 : FLUID HANDLING
137/343 WITH CASING, SUPPORT, PROTECTOR OR STATIC CONSTRUCTIONAL INSTALLATIONS
137/377 .Guards and shields
137/382 ..Valve guards

2 164/436 (2 OR, 0 XR)
Class 164 : METAL FOUNDING
164/271 MEANS TO SHAPE METALLIC MATERIAL
164/418 .Continuous or semicontinuous casting
164/436 ..Adjustable mold size

2 164/491 (0 OR, 2 XR)
Class 164 : METAL FOUNDING
164/1 PROCESS
164/47 .Shaping liquid metal against a forming surface

164/459 ..Continuous or semicontinuous casting
164/491 ...Adjusting mold size

2 174/117FF (2 OR, 0 XR)
Class 174 : ELECTRICITY: CONDUCTORS AND INSULATORS
174/68.1 CONDUITS, CABLES OR CONDUCTORS
174/110R .Insulated
174/113R ..Multiple conductor
174/117R ...Assemblies of noncircular section
174/117FF ....Conductor itself is flat

2 174/259 (0 OR, 2 XR)
Class 174 : ELECTRICITY: CONDUCTORS AND INSULATORS
174/68.1 CONDUITS, CABLES OR CONDUCTORS
174/250 .Preformed panel circuit arrangement (e.g., printed circuit)
174/256 ..With particular material
174/259 ...Adhesive/bonding

2 174/35C (2 OR, 0 XR)

Class 174 : ELECTRICITY: CONDUCTORS AND INSULATORS
174/32 ANTI-INDUCTIVE STRUCTURES
174/35R .Shielded or screened
174/35C ..Connectors and joints

2 174/52.1 (1 OR, 1 XR)
Class 174 : ELECTRICITY: CONDUCTORS AND INSULATORS
174/50 BOXES AND HOUSINGS
174/52.1 .With electric device or mounting means therefor

2 174/52.4 (1 OR, 1 XR)
Class 174 : ELECTRICITY: CONDUCTORS AND INSULATORS
174/50 BOXES AND HOUSINGS
174/52.1 .With electric device or mounting means therefor
174/52.3 ..Sealed
174/52.4 ...Flat housing for electronic device (e.g., flat pack, dual-in-line package)

2 204/281 (1 OR, 1 XR)
Class 204 : CHEMISTRY: ELECTRICAL AND WAVE ENERGY
204/193 APPARATUS
204/194 .Electrolytic
204/279 ..Elements
204/280 ...Electrodes
204/281 ....Electroforming molds or strips plates

2 204/293 (0 OR, 2 XR)
Class 204 : CHEMISTRY: ELECTRICAL AND WAVE ENERGY
204/193 APPARATUS
204/194 .Electrolytic
204/279 ..Elements
204/280 ...Electrodes
204/291 ....Composition
204/292 .....Metallic
204/293 .....Alloys

2 210/138 (1 OR, 1 XR)
Class 210 : LIQUID PURIFICATION OR SEPARATION
210/138 WITH TIME CONTROL

2 210/169 (0 OR, 2 XR)

Class 210 : LIQUID PURIFICATION OR SEPARATION
210/153 STRUCTURAL INSTALLATION
210/167 .Closed circulating systems
210/169 ..Aquarium or swimming pool

2 210/192 (0 OR, 2 XR)
Class 210 : LIQUID PURIFICATION OR SEPARATION
210/192 WITH PRELIMINARY CHEMICAL MANUFACTURE

2 228/180.21 (0 OR, 2 XR)
Class 228 : METAL FUSION BONDING
228/101 PROCESS
228/178 .Plural joints
228/179.1 ..Of electrical device (e.g., semiconductor)
228/180.1 ...Simultaneous bonding of multiple joints
(e.g., dip soldering of printed circuit boards)
228/180.21 ....Component terminal to substrate surface
(i.e., nonpenetrating terminal)

2 257/751 (1 OR, 1 XR)
Class 257 : ACTIVE SOLID-STATE DEVICES
257/734 COMBINED WITH ELECTRICAL CONTACT OR LEAD
257/741 .Of specified material other than unalloyed
aluminum
257/750 ..Layered
257/751 ...At least one layer forms a diffusion barrier

2 313/506 (2 OR, 0 XR)
Class 313 : ELECTRIC LAMP AND DISCHARGE DEVICES
313/483 WITH LUMINESCENT SOLID OR LIQUID MATERIAL
313/498 .Solid-state type
313/506 ..Plural layers

2 313/512 (0 OR, 2 XR)
Class 313 : ELECTRIC LAMP AND DISCHARGE DEVICES
313/483 WITH LUMINESCENT SOLID OR LIQUID MATERIAL
313/498 .Solid-state type
313/512 ..With envelope or encapsulation

2 324/133 (0 OR, 2 XR)
Class 324 : ELECTRICITY: MEASURING AND TESTING
324/76.11 MEASURING, TESTING, OR SENSING ELECTRICITY, PER

SE
324/133 .Nonquantitative (e.g., hot-line indicator, polarity tester)

2 324/318 (1 OR, 1 XR)
Class 324 : ELECTRICITY: MEASURING AND TESTING
324/300 PARTICLE PRECESSION RESONANCE
324/318 .Spectrometer components

2 324/520 (1 OR, 1 XR)
Class 324 : ELECTRICITY: MEASURING AND TESTING
324/500 FAULT DETECTING IN ELECTRIC CIRCUITS AND OF ELECTRIC COMPONENTS
324/512 .For fault location
324/520 ..By frequency sensitive or responsive detection

2 324/522 (1 OR, 1 XR)
Class 324 : ELECTRICITY: MEASURING AND TESTING
324/500 FAULT DETECTING IN ELECTRIC CIRCUITS AND OF ELECTRIC COMPONENTS
324/512 .For fault location
324/522 ..By voltage or current measuring

2 324/534 (0 OR, 2 XR)
Class 324 : ELECTRICITY: MEASURING AND TESTING
324/500 FAULT DETECTING IN ELECTRIC CIRCUITS AND OF ELECTRIC COMPONENTS
324/512 .For fault location
324/534 ..By reflection technique

2 324/616 (1 OR, 1 XR)
Class 324 : ELECTRICITY: MEASURING AND TESTING
324/600 IMPEDANCE, ADMITTANCE OR OTHER QUANTITIES REPRESENTATIVE OF ELECTRICAL STIMULUS/RESPONSE RELATIONSHIPS
324/612 .Parameter related to the reproduction or fidelity of a signal affected by a circuit under test
324/615 ..Transfer function type characteristics
324/616 ...Gain or attenuation

2 324/620 (0 OR, 2 XR)
Class 324 : ELECTRICITY: MEASURING AND TESTING

324/600 IMPEDANCE, ADMITTANCE OR OTHER QUANTITIES REPRESENTATIVE OF ELECTRICAL STIMULUS/RESPONSE RELATIONSHIPS
324/612 .Parameter related to the reproduction or fidelity of a signal affected by a circuit under test
324/620 ..Distortion

2 333/246 (0 OR, 2 XR)
Class 333 : WAVE TRANSMISSION LINES AND NETWORKS
333/245 LONG LINE ELEMENTS AND COMPONENTS
333/246 .Strip type

2 333/28R (0 OR, 2 XR)
Class 333 : WAVE TRANSMISSION LINES AND NETWORKS
333/24R COUPLING NETWORKS
333/28R .Equalizers

2 333/81R (0 OR, 2 XR)
Class 333 : WAVE TRANSMISSION LINES AND NETWORKS
333/81R ATTENUATORS

2 335/216 (2 OR, 0 XR)
Class 335 : ELECTRICITY: MAGNETICALLY OPERATED SWITCHES, MAGNETS, AND ELECTROMAGNETS
335/209 MAGNETS AND ELECTROMAGNETS
335/216 .Superconductive type

2 336/200 (2 OR, 0 XR)
Class 336 : INDUCTOR DEVICES
336/199 COIL OR COIL TURN SUPPORTS OR SPACERS
336/200 .Printed circuit-type coil

2 336/232 (0 OR, 2 XR)
Class 336 : INDUCTOR DEVICES
336/225 COILS OF SPECIAL CONFIGURATION
336/232 .Planar type

2 340/310.01 (0 OR, 2 XR)
Class 340 : COMMUNICATIONS: ELECTRICAL
340/286.01 SYSTEMS
340/310.01 .Signal over power line

2 340/605 (0 OR, 2 XR)

Class 340 : COMMUNICATIONS: ELECTRICAL
340/500 CONDITION RESPONSIVE INDICATING SYSTEM
340/540 .Specific condition
340/603 ..Fluent material
340/605 ...Leakage

2 343/895 (1 OR, 1 XR)
Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
343/700R ANTENNAS
343/895 .Spiral or helical type

2 351/117 (0 OR, 2 XR)
Class 351 : OPTICS: EYE EXAMINING, VISION TESTING AND CORRECTING
351/41 SPECTACLES AND EYEGLASSES
351/111 .Temples
351/117 ..With covered core or rod (e.g., reinforced)

2 351/129 (0 OR, 2 XR)
Class 351 : OPTICS: EYE EXAMINING, VISION TESTING AND CORRECTING
351/41 SPECTACLES AND EYEGLASSES
351/124 .Bridges
351/129 ..Reinforced

2 351/41 (2 OR, 0 XR)
Class 351 : OPTICS: EYE EXAMINING, VISION TESTING AND CORRECTING
351/41 SPECTACLES AND EYEGLASSES

2 359/167 (1 OR, 1 XR)
Class 359 : OPTICS: SYSTEMS
359/109 OPTICAL COMMUNICATION
359/154 .Transmitter and receiver system
359/164 ..Plural stations
359/167 ...Central or master station

2 359/171 (0 OR, 2 XR)
Class 359 : OPTICS: SYSTEMS
359/109 OPTICAL COMMUNICATION
359/154 .Transmitter and receiver system
359/171 ..Received signal supplies power distribution

to diverse devices

2 359/177 (0 OR, 2 XR)
Class 359 : OPTICS: SYSTEMS
359/109 OPTICAL COMMUNICATION
359/174 .Optical repeater system
359/176 ..Regenerative
359/177 ...Monitoring

2 360/264.2 (2 OR, 0 XR)
Class 360 : DYNAMIC MAGNETIC INFORMATION STORAGE OR RETRIEVAL
360/240 HEAD MOUNTING
360/260 .For shifting head between tracks
360/264 ..Disk record
360/264.1 ...Arcuate head movement
360/264.2 ....Electrical connection detail onto actuator arm

2 361/111 (0 OR, 2 XR)
Class 361 : ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES

361/1 SAFETY AND PROTECTION OF SYSTEMS AND DEVICES
361/111 .Transient responsive

2 361/119 (2 OR, 0 XR)
Class 361 : ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES

361/1 SAFETY AND PROTECTION OF SYSTEMS AND DEVICES
361/117 .High voltage dissipation (e.g., lightning arrester)
361/118 ..Surge prevention (e.g., choke coil)
361/119 ...In communication systems

2 361/752 (0 OR, 2 XR)
Class 361 : ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES

361/600 HOUSING OR MOUNTING ASSEMBLIES WITH DIVERSE ELECTRICAL COMPONENTS
361/679 .For electronic systems and devices
361/748 ..Printed circuit board
361/752 ...With housing or chassis

2 361/783 (0 OR, 2 XR)
Class 361 : ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES

361/600 HOUSING OR MOUNTING ASSEMBLIES WITH DIVERSE ELECTRICAL COMPONENTS
361/679 .For electronic systems and devices
361/748 ..Printed circuit board
361/760 ...Connection of components to board
361/783 ....Having semiconductive device

2 370/207 (0 OR, 2 XR)
Class 370 : MULTIPLEX COMMUNICATIONS
370/203 GENERALIZED ORTHOGONAL OR SPECIAL MATHEMATICAL TECHNIQUES
370/206 .Quadrature carriers
370/207 ..Having a signaling constellation

2 370/230 (1 OR, 1 XR)
Class 370 : MULTIPLEX COMMUNICATIONS
370/229 DATA FLOW CONGESTION PREVENTION OR CONTROL
370/230 .Control of data admission to the network

2 370/241 (2 OR, 0 XR)
Class 370 : MULTIPLEX COMMUNICATIONS
370/241 DIAGNOSTIC TESTING (OTHER THAN SYNCHRONIZATION)

2 370/286 (2 OR, 0 XR)
Class 370 : MULTIPLEX COMMUNICATIONS
370/276 DUPLEX
370/282 .Transmit/receive interaction control
370/286 ..Echo suppression or cancellation

2 370/329 (1 OR, 1 XR)
Class 370 : MULTIPLEX COMMUNICATIONS
370/310 COMMUNICATION OVER FREE SPACE
370/328 .Having a plurality of contiguous regions served by respective fixed stations
370/329 ..Channel assignment

2 370/338 (1 OR, 1 XR)
Class 370 : MULTIPLEX COMMUNICATIONS
370/310 COMMUNICATION OVER FREE SPACE

370/328 .Having a plurality of contiguous regions served by respective fixed stations
370/338 ..Contiguous regions interconnected by a local area network

2 370/341 (2 OR, 0 XR)
Class 370 : MULTIPLEX COMMUNICATIONS
370/310 COMMUNICATION OVER FREE SPACE
370/340 .Using trunking
370/341 ..Channel assignment

2 370/343 (0 OR, 2 XR)
Class 370 : MULTIPLEX COMMUNICATIONS
370/310 COMMUNICATION OVER FREE SPACE
370/343 .Combining or distributing information via frequency channels

2 370/356 (1 OR, 1 XR)
Class 370 : MULTIPLEX COMMUNICATIONS
370/351 PATHFINDING OR ROUTING
370/352 .Combined circuit switching and packet switching
370/356 ..Routing circuit switched traffic through a packet switching network

2 370/360 (1 OR, 1 XR)
Class 370 : MULTIPLEX COMMUNICATIONS
370/351 PATHFINDING OR ROUTING
370/357 .Through a circuit switch
370/360 ..Switching control

2 370/395.53 (1 OR, 1 XR)
Class 370 : MULTIPLEX COMMUNICATIONS
370/351 PATHFINDING OR ROUTING
370/389 .Switching a message which includes an address header
370/395.1 ..Message transmitted using fixed length packets (e.g., ATM cells)
370/395.5 ...Multiprotocol network
370/395.53 ....Emulated LAN (LANE/ELAN/VLAN, e.g., Ethernet or token ring legacy LAN over a single ATM network/LAN)

2 370/420 (0 OR, 2 XR)
Class 370 : MULTIPLEX COMMUNICATIONS
370/351 PATHFINDING OR ROUTING
370/389 .Switching a message which includes an address header
370/419 ..Input or output circuit, per se (i.e., line interface)
370/420 ...For connecting plural subscribers to a network (i.e., network termination)

2 370/442 (0 OR, 2 XR)
Class 370 : MULTIPLEX COMMUNICATIONS
370/431 CHANNEL ASSIGNMENT TECHNIQUES
370/442 .Combining or distributing information via time channels using multiple access technique (e.g., TDMA)

2 370/467 (0 OR, 2 XR)
Class 370 : MULTIPLEX COMMUNICATIONS
370/464 COMMUNICATION TECHNIQUES FOR INFORMATION CARRIED IN PLURAL CHANNELS
370/465 .Adaptive
370/466 ..Converting between protocols
370/467 ...Conversion between signaling protocols

2 370/485 (1 OR, 1 XR)
Class 370 : MULTIPLEX COMMUNICATIONS
370/473 ..Transmission of a single message having multiple packets
370/480 .Combining or distributing information via frequency channels
370/485 ..Subscriber carrier

2 370/487 (0 OR, 2 XR)
Class 370 : MULTIPLEX COMMUNICATIONS
370/473 ..Transmission of a single message having multiple packets
370/480 .Combining or distributing information via frequency channels
370/485 ..Subscriber carrier
370/486 ...Program distribution
370/487 ....Combined communication of diverse information types

2 370/490 (0 OR, 2 XR)
Class 370 : MULTIPLEX COMMUNICATIONS
370/473 ..Transmission of a single message having multiple packets
370/480 .Combining or distributing information via frequency channels
370/489 ..Bus (distributed stations)
370/490 ...Combined communication of diverse information types

2 370/496 (0 OR, 2 XR)
Class 370 : MULTIPLEX COMMUNICATIONS
370/473 ..Transmission of a single message having multiple packets
370/480 .Combining or distributing information via frequency channels
370/496 ..Signaling

2 370/497 (0 OR, 2 XR)
Class 370 : MULTIPLEX COMMUNICATIONS
370/473 ..Transmission of a single message having multiple packets
370/480 .Combining or distributing information via frequency channels
370/497 ..Using particular filtering technique

2 370/527 (0 OR, 2 XR)
Class 370 : MULTIPLEX COMMUNICATIONS
370/473 ..Transmission of a single message having multiple packets
370/498 .Combining or distributing information via time channels
370/522 ..Signaling (ancillary to main information)
370/527 ...Superimposed or modulated on principal information

2 370/537 (0 OR, 2 XR)
Class 370 : MULTIPLEX COMMUNICATIONS
370/473 ..Transmission of a single message having multiple packets
370/498 .Combining or distributing information via time channels
370/537 ..Multiplexing plural input channels to a

common output channel

2 375/228 (1 OR, 1 XR)
Class 375 : PULSE OR DIGITAL COMMUNICATIONS
375/224 TESTING
375/228 .With indicator

2 375/233 (0 OR, 2 XR)
Class 375 : PULSE OR DIGITAL COMMUNICATIONS
375/229 EQUALIZERS
375/230 .Automatic
375/232 ..Adaptive
375/233 ...Decision feedback equalizer

2 375/258 (0 OR, 2 XR)
Class 375 : PULSE OR DIGITAL COMMUNICATIONS
375/257 CABLE SYSTEMS AND COMPONENTS
375/258 .Transformer coupling

2 375/285 (2 OR, 0 XR)
Class 375 : PULSE OR DIGITAL COMMUNICATIONS
375/259 SYSTEMS USING ALTERNATING OR PULSATING CURRENT

375/285 .Antinoise or distortion

2 375/286 (1 OR, 1 XR)
Class 375 : PULSE OR DIGITAL COMMUNICATIONS
375/286 MULTILEVEL

2 379/10.01 (0 OR, 2 XR)
Class 379 : TELEPHONIC COMMUNICATIONS
379/1.01 DIAGNOSTIC TESTING, MALFUNCTION INDICATION, OR ELECTRICAL CONDITION MEASUREMENT
379/9 .Of centralized switching system
379/10.01 ..By automatic testing sequence

2 379/12 (0 OR, 2 XR)
Class 379 : TELEPHONIC COMMUNICATIONS
379/1.01 DIAGNOSTIC TESTING, MALFUNCTION INDICATION, OR ELECTRICAL CONDITION MEASUREMENT
379/9 .Of centralized switching system
379/12 ..With dedicated testing line or trunk

2 379/14 (0 OR, 2 XR)
Class 379 : TELEPHONIC COMMUNICATIONS
379/1.01 DIAGNOSTIC TESTING, MALFUNCTION INDICATION, OR ELECTRICAL CONDITION MEASUREMENT
379/9 .Of centralized switching system
379/14 ..Of plural exchange network

2 379/14.01 (1 OR, 1 XR)
Class 379 : TELEPHONIC COMMUNICATIONS
379/1.01 DIAGNOSTIC TESTING, MALFUNCTION INDICATION, OR ELECTRICAL CONDITION MEASUREMENT
379/9 .Of centralized switching system
379/14 ..Of plural exchange network
379/14.01 ...Fault segmentation (e.g., error location in network)

2 379/22.04 (1 OR, 1 XR)
Class 379 : TELEPHONIC COMMUNICATIONS
379/1.01 DIAGNOSTIC TESTING, MALFUNCTION INDICATION, OR ELECTRICAL CONDITION MEASUREMENT
379/22 .Of trunk or long line
379/22.03 ..Fault detection or fault location on telephone link (e.g., continuity, leakage)
379/22.04 ...Of digital loop carrier

2 379/29.04 (0 OR, 2 XR)
Class 379 : TELEPHONIC COMMUNICATIONS
379/1.01 DIAGNOSTIC TESTING, MALFUNCTION INDICATION, OR ELECTRICAL CONDITION MEASUREMENT
379/27.01 .Testing of subscriber loop or terminal
379/29.01 ..Terminal arrangement to enable remote testing (e.g., testing interface)
379/29.04 ...Voltage or current detector

2 379/29.09 (1 OR, 1 XR)
Class 379 : TELEPHONIC COMMUNICATIONS
379/1.01 DIAGNOSTIC TESTING, MALFUNCTION INDICATION, OR ELECTRICAL CONDITION MEASUREMENT
379/27.01 .Testing of subscriber loop or terminal
379/29.01 ..Terminal arrangement to enable remote testing (e.g., testing interface)
379/29.09 ...With historical operating information database

2 379/31 (1 OR, 1 XR)
Class 379 : TELEPHONIC COMMUNICATIONS
379/1.01 DIAGNOSTIC TESTING, MALFUNCTION INDICATION, OR ELECTRICAL CONDITION MEASUREMENT
379/27.01 .Testing of subscriber loop or terminal
379/31 ..Of line signalling generator (e.g., dial, tone code generator)

2 379/327 (0 OR, 2 XR)
Class 379 : TELEPHONIC COMMUNICATIONS
379/242 CENTRALIZED SWITCHING SYSTEM
379/325 .Structure of equipment
379/326 ..Wire or cable distribution
379/327 ...Main or intermediate distribution frame

2 379/399.01 (1 OR, 1 XR)
Class 379 : TELEPHONIC COMMUNICATIONS
379/399.01 SUBSCRIBER LINE OR TRANSMISSION LINE INTERFACE

2 379/402 (1 OR, 1 XR)
Class 379 : TELEPHONIC COMMUNICATIONS
379/399.01 SUBSCRIBER LINE OR TRANSMISSION LINE INTERFACE

379/402 .Hybrid circuit

2 379/413 (0 OR, 2 XR)
Class 379 : TELEPHONIC COMMUNICATIONS
379/399.01 SUBSCRIBER LINE OR TRANSMISSION LINE INTERFACE

379/413 .Power supply (e.g., battery feed)

2 379/413.04 (1 OR, 1 XR)
Class 379 : TELEPHONIC COMMUNICATIONS
379/399.01 SUBSCRIBER LINE OR TRANSMISSION LINE INTERFACE

379/413.02 .Network interface device (NLD)
379/413.04 ..Connection block or module

2 379/93.01 (0 OR, 2 XR)
Class 379 : TELEPHONIC COMMUNICATIONS
379/90.01 TELEPHONE LINE OR SYSTEM COMBINED WITH DIVERSE

ELECTRICAL SYSTEM OR SIGNALLING (E.G., COMPOSITE)
379/93.01 .Having transmission of a digital message signal over a telephone line

2 379/93.08 (2 OR, 0 XR)
Class 379 : TELEPHONIC COMMUNICATIONS
379/90.01 TELEPHONE LINE OR SYSTEM COMBINED WITH DIVERSE ELECTRICAL SYSTEM OR SIGNALLING (E.G., COMPOSITE)
379/93.01 .Having transmission of a digital message signal over a telephone line
379/93.08 ..Transmission scheme (e.g., compression/decompression, transmission rate)

2 384/276 (1 OR, 1 XR)
Class 384 : BEARINGS
384/91 ROTARY BEARING
384/129 .Plain bearing
384/276 ..Specified sleeve or liner

2 384/294 (0 OR, 2 XR)
Class 384 : BEARINGS
384/91 ROTARY BEARING
384/129 .Plain bearing
384/276 ..Specified sleeve or liner
384/294 ...For crankshaft

2 385/101 (2 OR, 0 XR)
Class 385 : OPTICAL WAVEGUIDES
385/100 OPTICAL TRANSMISSION CABLE
385/101 .With electrical conductor in the same cable

2 427/123 (0 OR, 2 XR)
Class 427 : COATING PROCESSES
427/58 ELECTRICAL PRODUCT PRODUCED
427/123 .Metal coating

2 427/124 (0 OR, 2 XR)
Class 427 : COATING PROCESSES
427/58 ELECTRICAL PRODUCT PRODUCED
427/123 .Metal coating
427/124 ..Vapor deposition or utilizing vacuum

2 427/97 (1 OR, 1 XR)

Class 427 : COATING PROCESSES
427/58 ELECTRICAL PRODUCT PRODUCED
427/96 .Integrated circuit, printed circuit, or circuit board
427/97 ..Coating hole walls

2 427/99 (0 OR, 2 XR)
Class 427 : COATING PROCESSES
427/58 ELECTRICAL PRODUCT PRODUCED
427/96 .Integrated circuit, printed circuit, or circuit board
427/99 ..Vapor deposition

2 438/628 (2 OR, 0 XR)
Class 438 : SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS

438/584 COATING WITH ELECTRICALLY OR THERMALLY CONDUCTIVE MATERIAL
438/597 .To form ohmic contact to semiconductive material
438/618 ..Contacting multiple semiconductive regions (i.e., interconnects)
438/622 ...Multiple metal levels, separated by insulating layer (i.e., multiple level metallization)
438/625 ....At least one metallization level formed of diverse conductive layers
438/628 .....Having adhesion promoting layer

2 438/654 (0 OR, 2 XR)
Class 438 : SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS

438/584 COATING WITH ELECTRICALLY OR THERMALLY CONDUCTIVE MATERIAL
438/597 .To form ohmic contact to semiconductive material
438/652 ..Plural layered electrode or conductor
438/654 ...Having adhesion promoting layer

2 438/658 (0 OR, 2 XR)
Class 438 : SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS

438/584 COATING WITH ELECTRICALLY OR THERMALLY CONDUCTIVE MATERIAL

438/597 .To form ohmic contact to semiconductive material
438/658 ..Altering composition of conductor

2 438/660 (0 OR, 2 XR)
Class 438 : SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS

438/584 COATING WITH ELECTRICALLY OR THERMALLY CONDUCTIVE MATERIAL
438/597 .To form ohmic contact to semiconductive material
438/660 ..Including heat treatment of conductive layer

2 439/404 (1 OR, 1 XR)
Class 439 : ELECTRICAL CONNECTORS
439/387 CONTACT COMPRISING CUTTER (SEVERING, PIERCING, ABRADING, SCRAPING, BREAKING OR TEARING)
439/389 .Insulation cutter
439/391 ..Conductor sheath piercing
439/395 ...Having slot edge for cutting insulation
439/404 ....Plural contacts, each formed by slot between pair of fingers

2 439/49 (1 OR, 1 XR)
Class 439 : ELECTRICAL CONNECTORS
439/43 WITH SELECTABLE CIRCUIT, E.G., PLUG BOARD
439/49 .Including three or more contacts adapted to be selectively interconnected

2 439/62 (1 OR, 1 XR)
Class 439 : ELECTRICAL CONNECTORS
439/55 PREFORMED PANEL CIRCUIT ARRANGEMENT, E.G., PCB, ICM, DIP, CHIP, WAFER, ETC.
439/59 .With mating connector which receives panel circuit edge
439/62 ..Panel mounted connector which receives edge of panel circuit

2 439/94 (1 OR, 1 XR)
Class 439 : ELECTRICAL CONNECTORS
439/92 WITH CIRCUIT CONDUCTORS AND SAFETY GROUNDING PROVISION

439/94 .Uninterrupted support rail or contact, or for interfitting with uninterrupted support rail or contact

2 455/1 (0 OR, 2 XR)
Class 455 : TELECOMMUNICATIONS
455/1 INTERFERENCE SIGNAL TRANSMISSION (E.G., JAMMING)

2 455/26.1 (0 OR, 2 XR)
Class 455 : TELECOMMUNICATIONS
455/26.1 USE OR ACCESS BLOCKING (E.G., LOCKING SWITCH)

2 702/69 (0 OR, 2 XR)
Class 702 : DATA PROCESSING: MEASURING, CALIBRATING, OR TESTING
702/1 MEASUREMENT SYSTEM IN A SPECIFIC ENVIRONMENT
702/57 .Electrical signal parameter measurement system

702/66 ..Waveform analysis
702/69 ...Signal quality (e.g., timing jitter, distortion, signal-to-noise ratio)

2 725/118 (0 OR, 2 XR)
Class 725 : INTERACTIVE VIDEO DISTRIBUTION SYSTEMS
725/105 VIDEO DISTRIBUTION SYSTEM WITH UPSTREAM COMMUNICATION
725/118 .Transmission network

2 725/130 (0 OR, 2 XR)
Class 725 : INTERACTIVE VIDEO DISTRIBUTION SYSTEMS
725/105 VIDEO DISTRIBUTION SYSTEM WITH UPSTREAM COMMUNICATION
725/118 .Transmission network
725/130 ..Power signal over network